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**PATENT APPLICATION
TRANSMITTAL LETTER
UNDER 37 C.F.R. 1.53(b)**

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Washington D.C. 20231
Box Patent Application

Transmitted herewith for filing is the patent application of

Inventor(s): **Jon THORSON**

For : **MICROMONOSPORA ECHNIOSPORA GENES ENCODING FOR
BIOSYNTHESIS OF CALICHEAMICIN AND SELF-RESISTANCE
THERE TO**

Enclosed are:

1. **51** sheets of specification, **16** sheets of claims, and **1** sheet of abstract.
2. **18** sheet(s) of drawings.
3. 127 sheets of sequence listing.
4. Related Application:

This application claims priority under 35 U.S.C. 120 of U.S. Patent Application Serial No. 09/457,045, filed December 7, 1999, which in turns claims priority under 35 U.S.C. 119(e) of provisional application No. 60/111,325, filed December 7, 1998.

5. Filing fees are not being paid at this time.

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Title: **MICROMONOSPORA ECHNIOSPORA GENES ENCODING FOR
BIOSYNTHESIS OF CALICHEAMICIN AND SELF-RESISTANCE THERETO**

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